### PRIMARY SURVEY CONTROL DATA

PROJECT DATA  Project Name: Greenfield Bayou County: Vigo Civil Twp: Prairie Sec. 16 Twp. 10N Ran. 10W , 2nd P.M. USGS 7.5' Quad: Hutton Agency Established by: DNR/Water  Agency Recovered by: Date:					
ELEVATION DATA (N.G.V.D. 1929): Second Order Class II (DNR) Elevation: Feet. Meters ELEVATION DATA (N.A.V.D. 1988): Second Order Class II (DNR) Elevation: 453.303 Feet. 138.1670 Meters					
POSITION DATA (N.A.D. 1983/86): Second Order Class II COE GPS  Geodetic Position: f= ' " l= E '  INDIANA STATE PLANE COORDINATES IN U.S. SURVEY FEET (one meter = 39.37 inches state Plane Coordinates: W Zone, Easting: 2,824,942.4750 Northing: 1,4	nes exactly)				
AZIMUTH DATA:  Mark Name   Geodetic Azimuth   Grid Azimuth   Grid Distance  Bayou 1 AZI   E ' "   0" 12'59 "   5326.9280  E ' "   E ' "    E ' "   E ' "	ce (feet)				
DESCRIPTION OF MONUMENT, ROUTE TO STATION, AND REFERENCE MARKS					

The station is located at Hutton; at the intersection of 57 West Road and 57 South Road, in the SE 1/4 of the intersection; set in the top of a concrete post, inside a 2 ft. x 2 ft. concrete pad, about level with the ground; a Department of Natural Resources brass control station tablet stamped "Bayou 1 1993."

- BAYOU 1: 74.5 feet southeast of end across the road (57 West Road) from a utility pole with transformer and guy wire
  - 66.1 feet southwest of and across the road (57 West Road) from a utility pole.
  - 61.4 feet southeast of and across the road (57 West Road) from a metal stop sign post
  - 14.4 feet east-northeast of a telephone riser box
  - 10.8 feet south of the centerline of 52 West Road
  - 5.8 feet east of the extended centerline of 57 South Road
  - 2.7 feet east of the east most metal post of a road direction sign
  - 2.3 feet east of an orange D.N.R. witness post

## PRIMARY SURVEY CONTROL DATA

Sec. 4 Twp. 10	ON Ran. 10Q , 2nd P.M ed by: DNR/Water	Station Code County: Vigo Civ . USGS 7.5' Quad: F			
Elevation: ELEVATION DATA (1	N.G.V.D. 1929): Second Feet. N.A.V.D. 1988): Second 457.399 Feet. 139	Meters Order Class II (DNR)			
POSITION DATA (N.A.D. 1983/86): Second Order Class II COE GPS  Geodetic Position: f= ' " 1= o ' "  INDIANA STATE PLANE COORDINATES IN U.S. SURVEY FEET (one meter = 39.37 inches exactly)  State Plane Coordinates: W Zone, Easting: 2,824,962.6000 Northing: 1,487,690.6330					
AZIMUTH DATA:  Mark Name  Bayou 1	Geodetic Azimuth O ' " O ' " O ' "	Grid Azimuth   180 o 12' 59 "   o ' "   o ' "	Grid Distance (feet) 5326.9280		
DESCRIPTION OF MONUMENT, ROUTE TO STATION, AND REFERENCE MARKS					

The station is located approximately 1.0 mile north of Hutton; 1.0 mile north along 57 South Road (Hale Road) from its intersection with 57 West Road in Hutton to a turn to the east (Athrop Road); set in the top of a concrete post, inside a 2 ft. x 2 ft. concrete pad, about level with the ground; a Department of Natural Resources brass control station tablet, stamped "Bayou 1 AZI 1993."

### BAYOU 1 AZI:

- 31.7 feet northeast of a utility pole located on the west side of 57 South Road
- 17.7 feet southeast of a utility brace pole
- 7.0 feet east of the extended centerline of 57 South Road
- 5.3 feet east of the east most metal post of a directional road sign
- 3.0 feet south of the extended centerline of Athrop Road
- 2.5 feet south of an orange D.N.R. witness post

## PRIMARY SURVEY CONTROL DATA

Sec. 20 Twp. 10	ON Ran. 10W , 2nd P.M. ed by: DNR/Water	Station Code County: Vigo Civ	
Elevation:	N.G.V.D. 1929): Second Feet. N.A.V.D. 1988): Second 935 Feet.	Meters	
Geodetic Position INDIANA STATE I	n: f= ' PLANE COORDINATES IN U.S	S. SURVEY FEET (one mete	= o ' " r = 39.37 inches exactly) Northing: 1,474,475.6760
AZIMUTH DATA: Mark Name Bayou 2 AZI	Geodetic Azimuth o ' " o ' " o ' "	Grid Azimuth 269 o 59' 51.3" o ' " o ' "	Grid Distance (feet) 3356.1220
DESC	CRIPTION OF MONUMENT, RO	OUTE TO STATION, AND REF	ERENCE MARKS

The station is located approximately 1.5 mile south of Hutton; at the intersection of 85 West Road and 67 West Road, in the NE 1/4 of the intersection; set in the top of a concrete post, inside a 2 ft. x 2 ft. concrete pad, about level with the ground; a Department of Natural Resources brass control station tablet, stamped "Bayou 2 1993."

- BAYOU 2: 50.1 feet east of the centerline of 85 West Road
  - 41.0 feet northeast of and across 67 West Road from a telephone riser box
  - 23.2 feet east of a utility pole with a transformer
  - 11.7 feet north of the centerline of 67 West Road
  - 3.1 feet south of an orange D.N.R. witness post
  - 1.0 foot below the level of the roadway

### PRIMARY SURVEY CONTROL DATA

Sec. 20 Twp. 10	Station Code and No. Bayou 2 AZI reenfield Bayou County: Vigo Civil Twp: Prairie Creek ON Ran. 10W , 2nd P.M. USGS 7.5' Quad: Hutton ed by: DNR/Water Date: 1993 by: Date:	
Elevation: ELEVATION DATA (I	N.G.V.D. 1929): Second Order Class II (DNR) Feet. Meters N.A.V.D. 1988): Second Order Class II (DNR) 53.487 Feet. 138.2232 Meters	
Geodetic Position INDIANA STATE	A.D. 1983/86): Second Class Order II COE GPS  i: f= ' " l= o '  PLANE COORDINATES IN U.S. SURVEY FEET (one meter = 39.37 inches exactly dinates: Zone, Easting: Northing:	y)
AZIMUTH DATA: Mark Name Bayou 2	Geodetic Azimuth   Grid Azimuth   Grid Distance (feet) O ' "   89 O 59 '51.3"   3356.1220 O ' " O ' "   O ' " O ' "	)
DESC	CRIPTION OF MONUMENT, ROUTE TO STATION, AND REFERENCE MARKS	

The station is located approximately 1.7 miles southwest of Hutton; 0.7 mile west along 67 West Road from its intersection with 85 West Road to the station on the south side of the road; set in the top of a concrete post, inside a 2 ft. x 2 ft. concrete pad, about level with the ground; a Department of Natural Resources brass control station tablet, stamped "Bayou 2 AZI 1993."

## BAYOU 2 AZI:

- 294.0 feet west of a private drive to the south
- 194.5 feet southwest of and across the road from a utility pole
- 147.0 feet west of a willow tree
- 144.2 feet southeast of and across the road from a utility pole
- 142.1 feet east of a metal telephone riser box
- 14.3 feet south of the centerline of 67 West Road
  - 2.3 feet north of an Orange D.N.R. witness post

### PRIMARY SURVEY CONTROL DATA

Sec. 26 Twp. 10	ON Ran. 11W , 2nd P ed by: DNR/Water	Station Code County: Vigo Civ .M. USGS 7.5' Quad: I			
Elevation: ELEVATION DATA (I	Feet.	nd Order Class II (DNR)			
POSITION DATA (N.A.D. 1983/86): Second Order Class II COE GPS  Geodetic Position: f= ' " 1= o ' "  INDIANA STATE PLANE COORDINATES IN U.S. SURVEY FEET (one meter = 39.37 inches exactly)  State Plane Coordinates: W Zone, Easting: 2,804,343.9550 Northing: 1,469,271.9910					
AZIMUTH DATA: Mark Name Bayou 3 AZI	Geodetic Azimuth o ' " o ' " o ' "	Grid Azimuth 90 o 22' 12" o ' "	Grid Distance (feet) 4619.854		
DESC	CRIPTION OF MONUMENT,	ROUTE TO STATION, AND REP	FERENCE MARKS		

The station is located approximately 0.3 mile southeast of Darwin, Illinois; 0.4 mile west along Darwin Ferry Road from its intersection with 75 South Road (T Road to the South) to the station on the south side of Darwin Ferry Road; set in the top of a concrete post, inside a 2 ft. x 2 ft. concrete pad, about level with the ground; a Department of Natural Resources brass control station tablet, stamped "BAYOU 3 1993."

BAYOU 3: 1,056 feet southeast of the ramp at the Darwin Ferry

88.8 feet east of the east toe of slope of the Wabash River levee

15.7 feet south of the centerline of Darwin Ferry Road

3.0 feet north of an orange D.N.R. witness post

1.6 feet north of a metal T fence post

## PRIMARY SURVEY CONTROL DATA

Sec. 26 Twp. 10	ON Ran. 11W , 2nd ed by: DNR/Water	County: Vigo P.M. USGS 7.5' Qu	uad: Hutton	Prairie Creek : 1993	
Elevation: ELEVATION DATA (1	Feet. N.A.V.D. 1988): See	cond Order Class II Meters cond Order Class II 136.3163 Meters			
POSITION DATA (N.A.D. 1983/86): Second Order Class II COE GPS  Geodetic Position: f= ' " 1= o ' "  INDIANA STATE PLANE COORDINATES IN U.S. SURVEY FEET (one meter = 39.37 inches exactly)  State Plane Coordinates: W Zone, Easting: 2,808,963.7130 Northing: 1,469,242.1600					
AZIMUTH DATA: Mark Name Bayou 3 VIGO 21 VIGO 22	Geodetic Azimut O ' " O ' "	270 o 22 ' 3 213 o 02 ' 3	12 "   4619 25 "   4436	Distance (feet) .854 .6418 .9873	
DESC	CRIPTION OF MONUMEN	T, ROUTE TO STATION	, AND REFERENCE M	ARKS	

The station is located approximately 1.1 miles southeast of Darwin, Illinois; at the intersection of 75 South Road and Darwin Ferry Road, on the extended centerline of Darwin Ferry Road; set in the top of a concrete post, inside a 2 ft. x 2 ft. concrete pad, about level with the ground; a Department of Natural Resources brass control station tablet, stamped "BAYOU 3 AZI."

## BAYOU 3 AZI:

- 24.2 feet northwest of the north edge of Oxendine Bayou
- 4.4 feet west of the extended centerline of 75 South Road
- 3.5 feet north of a metal "T" fence post
- 3.0 feet north of an orange D.N.R. witness post

### PRIMARY SURVEY CONTROL DATA

Sec. 1 Twp. 10	ON Ran. 11W , 2nd P ed by: DNR/Water	Station Code County: Vigo Civ			
Elevation: ELEVATION DATA (1	Feet.	nd Order Class II (DNR)			
POSITION DATA (N.A.D. 1983/86): Second Class Order II COE GPS  Geodetic Position: f= ' " 1= o ' "  INDIANA STATE PLANE COORDINATES IN U.S. SURVEY FEET (one meter = 39.37 inches exactly)  State Plane Coordinates: W Zone, Easting: 2,813,509.4610 Northing: 1,490,545.4490					
AZIMUTH DATA: Mark Name Bayou 4 AZI	Geodetic Azimuth O ' " O ' " O ' "	Grid Azimuth 230 o 38' 50 " o ' "	Grid Distance (feet)		
DESC	CRIPTION OF MONUMENT,	ROUTE TO STATION, AND RE	FERENCE MARKS		

The station is located approximately 2.7 miles northwest of Hutton; 3.7 miles west along 83 West Road (Robertson Road) from its intersection with 51 South Road (Arbuckle Road), at the intersection of 83 West Road and 71 South Road (Wilson Road), on the north side of 83 West Road, on top of the levee; set in the top of a concrete post, inside a 2 ft. x 2 ft. concrete pad, about level with the ground; a Department of Natural Resources brass control station tablet, stamped "BAYOU 4 1993."

BAYOU 4:

- 144.0 feet northeast of and across 83 West Road from a utility pole
- 117.2 feet northwest of and across 83 West Road from a utility pole
  - 33.9 feet southwest of a tree that has been struck by lightning
  - 26.0 feet west of the extended centerline of 71 South Road
  - 30.1 feet north of the centerline of 83 West Road (Robertson Road)
  - 6.0 feet above the level of the road
  - 3.3 feet south of an orange D.N.R. witness post

### PRIMARY SURVEY CONTROL DATA

Sec. 1 Twp. 10	ON Ran. 11W , 2nd P.M ed by: DNR/Water	Station Code County: Vigo Civ . USGS 7.5' Quad: H	
Elevation: ELEVATION DATA (N	N.G.V.D. 1929): Second Feet. N.A.V.D. 1988): Second L.445 Feet. 140	Meters Order Class II (DNR)	
Geodetic Position INDIANA STATE I	n: f= ' PLANE COORDINATES IN U.S	S. SURVEY FEET (one mete	= 0 ' " er = 39.37 inches exactly) Northing: 1,487,723.2190
AZIMUTH DATA: Mark Name Bayou 4	Geodetic Azimuth o ' " o ' " o ' "	Grid Azimuth	Grid Distance (feet) 4450.810
DESC	CRIPTION OF MONUMENT, RO	OUTE TO STATION, AND REF	FERENCE MARKS

The station is located approximately 2.9 miles northwest of Hutton; approximately 4.65 miles west-southwest along 83 West Road (Robertson Road - Little Road) from its intersection with 51 South Road (Arbuckle Road) to the station located on the northwest side of 83 West Road (Robertson Road - Little Road), on top of the levee; set in the top of a concrete post, inside a 2 ft. x 2 ft. concrete pad, about level with the ground; a Department of Natural Resources brass control station tablet, stamped "Bayou 4 AZI 1993."

### BAYOU 4 AZI:

- 61.6 feet northwest of and across 83 West Road from a utility pole
- 49.7 feet southeast of a 10.0 inch ash tree
- 32.1 feet northwest of the centerline of 83 West Road
- 7.5 feet above the level of the road
- 3.4 feet east of an orange D.N.R. witness post

## PRIMARY SURVEY CONTROL DATA

Sec. 18 Twp. 10	reenfield Bayou ON Ran. 11W , 2nd ed by: DNR/Wate by:	l P.M. US	y: Vigo	Civil 1 d: Hutto		reek
Elevation: ELEVATION DATA (I	N.G.V.D. 1929): S Feet. N.A.V.D. 1988): S 6.290 Feet.	Second Orde	Meters Class II (	,		
POSITION DATA (N.A.D. 1983/86): Second Order Class II COE GPS  Geodetic Position: f= ' " l= o ' "  INDIANA STATE PLANE COORDINATES IN U.S. SURVEY FEET (one meter = 39.37 inches exactly)  State Plane Coordinates: W Zone, Easting: 2,816,009.1700 Northing: 1,481,275.5450						
AZIMUTH DATA:						
Mark Name	Geodetic Azimu	ıth	Grid Azimut	h	Grid Distance	(feet)
т 293	0 '	" 26	58 o 51' 18	"	9596.5343	
	0 '	ļ.	0 '	ļ		
	0 '	"	0 '	"		
DESCRIPTION OF MONUMENT, ROUTE TO STATION, AND REFERENCE MARKS						

The station is located at Big Knoll; on the west side of Big Knoll, on the south side of 57 West Road (Little Road); set in the top of a concrete post, inside a 2 ft.  $\times$  2 ft. concrete post, about level with the ground; a Department of Natural Resources brass control station tablet, stamped "VIGO 14, 1993."

- VIGO 14: 93.2 feet southwest of the southwest corner of residence (#9615)
  - 38.9 feet southeast of and across the road from a satellite dish
  - 29.1 feet west of a utility pole with a transformer and a guy wire to the west
  - 19.2 feet south of the centerline of 57 West Road (Little Road)
  - 2.6 feet north of an orange D.N.R. witness post

## PRIMARY SURVEY CONTROL DATA

Sec. 14 Twp. 1 Agency Establish	Greenfield Bayou ON Ran. 11W , 2nd Hed by: USC & GS ONR/Water			l Twp: Prairie Creek
ELEVATION DATA ( Elevation: 4 ELEVATION DATA ( Elevation: 4	52.447 Feet. N.A.V.D. 1988):	137.906 137.7949	Meters Meters	
Geodetic Positio INDIANA STATE		' I U.S. SURVE	" l= Y FEET (one meter	o ' " = 39.37 inches exactly) Northing: 1,481,083.7730
AZIMUTH DATA: Mark Name VIGO 14	Geodetic Azimuth	88	id Azimuth   o 51' 18 "   o ' "   o ' "	Grid Distance (feet) 9596.5343
DES	CRIPTION OF MONUMENT	ROUTE TO	STATION, AND REFE	RENCE MARKS

The station is located approximately 3.5 miles west of Hutton; at the intersection of 57 West Road (Little Road) and 83 West Road (Robertson Road), in the Southeast quarter of the intersection; set in the top of a concrete post, about level with the ground; a U.S. Coast and Geodetic Survey benchmark tablet, stamped "T 293 1956."

T 293:

- 98.6 feet northeast of the northeast corner of a residence
- 45.3 feet south of and across 57 West Road from a utility pole #FW-T 105
- 39.7 feet southwest of a mailbox
- 22.9 feet south of the centerline of 57 West Road
- 20.4 feet east of the extended centerline of 83 West Road
- 3.1 feet south-southwest of an orange NGS witness post
- 3.0 feet south of utility pole #FW-T 106 with transformer and guy wire

## PRIMARY SURVEY CONTROL DATA

PROJECT DATA Project Name: Gr Sec. Twp. Agency Establishe Agency Recovered	Ran. ed by:	U.S. Co	P.M. USC ast & Geodet:	Vigo SS 7.5' Quad:	Hutton	Prairieton : 1956
ELEVATION DATA (1 Elevation: 454 ELEVATION DATA (1 Elevation: 453	.192 N.A.V.D. 1	Feet. 1988):				
POSITION DATA (N Geodetic Position INDIANA STATE I State Plane Coord	n: f: PLANE COO	= RDINATES	IN U.S. SURV	•	meter = 39.3	7 inches exactly)
AZIMUTH DATA:  Mark Name	Geodet   o   o	tic Azim	"	rid Azimuth		Distance (feet)
DESC	CRIPTION (	OF MONUM	ENT, ROUTE TO	STATION, AN	D REFERENCE M	ARKS

The station is located approximately 3.5 miles northeast of Hutton; at the intersection of 81 West Road (Dosch Road) and 51 South Road (Arbuckle Road), in the northeast quadrant of the intersection; set in the top of a concrete post, about level with the ground; a U.S. Coast and Geodetic Survey bench mark tablet, stamped "M293 1956".

M293:

- 32.8 feet north of the centerline of Arbuckle Road
- 16.7 feet north of the centerline of Dosch Road
- 7.1 feet west of a metal telephone junction box
- 4.9 feet west of a utility pole
- 0.8 feet south of an orange D.N.R. witness post

### PRIMARY SURVEY CONTROL DATA

PROJECT DATA Project Name: G Sec. 13 Twp. 1 Agency Establish Agency Recovered	ON Ran. 11W , 2 ned by: U.S. (	2nd P.M. USGS Coast and Geodet	Vigo C 5 7.5' Quad:	Hutton	Prairie Creek 1956
ELEVATION DATA (Elevation: 4 ELEVATION DATA (Elevation: 4	48.615 Feet. N.A.V.D. 1988):	136.738 136.6260			
POSITION DATA (N Geodetic Position INDIANA STATE State Plane Coor	on: f= PLANE COORDINATE	ES IN U.S. SURVE	EY FEET (one me	eter = $39.37$	inches exactly)
AZIMUTH DATA: Mark Name	Geodetic Azz	11	cid Azimuth o ' " o ' "	Grid I	Distance (feet)
DES	SCRIPTION OF MONU	JMENT, ROUTE TO	STATION, AND R	REFERENCE MAI	RKS

The station is located approximately 1.25 miles west of the Big Knoll; at the intersection of 57 West Road (Little Road) and 75 South Road, in the Southeast quadrant of the intersection; at a culvert under 57 West Road; set on top of a copper coated steel rod (driven to a depth of 60 feet) inside a 4 inch tile, 0.2 foot below the level of the ground; a U.S. Coast and Geodetic Survey bench mark tablet, stamped " X 293 1956"

- X293:
- 123.8 feet east of the centerline of 75 South Road
- 19.4 feet southeast of and across 57 West Road from the east end of the north concrete headwall of the culvert
- 10.9 feet south of the centerline 57 West Road
- 1.7 feet east of the east end of the south concrete headwall of the culvert
- 0.9 feet east of an orange NGS witness post

## PRIMARY SURVEY CONTROL DATA

Sec. 14 Twp. 10 Agency Establishe	reenfield Bayou C ON Ran. 11W , 2nd P.M. ed by: U.S. Coast and by: DNR/Water	County: Vigo Civ USGS 7.5' Quad: I	Hutton
Elevation: 4 ELEVATION DATA (1	N.G.V.D. 1929): Second 448.099 Feet. 136 N.A.V.D. 1988): Second 447.697 Feet. 136	0.581 Meters Order Class II (DNR)	
	n: f= '		er = 39.37 inches exactly)
AZIMUTH DATA: Mark Name	Geodetic Azimuth O ' " O ' " O ' "	Grid Azimuth	Grid Distance (feet)
DESC	CRIPTION OF MONUMENT, RO	OUTE TO STATION, AND RE	FERENCE MARKS

The station is located approximately 1.6 miles southwest of the Big Knoll; 0.8 mile south along 75 South Road from its intersection with 57 West Road (Little Road) to an east-west levee, and the station on the west side of 75 South Road; set in the top of a concrete post, about 2 feet above the level of the road, 0.1 foot below the level of the ground; a U.S. Coast and Geodetic Survey bench mark tablet, stamped "U 293 1956"

U 293:

- 38.6 feet south of the centerline of the levee to the west
- 24.7 feet northeast of a 36 inch oak tree
- 22.2 feet west of the centerline of 75 South Road
- 1.8 feet east-southeast of a metal  ${\tt T}$  fence post
- 1.5 feet east of an orange NGS witness post

## PRIMARY SURVEY CONTROL DATA

PROJECT DATA Project Name: G Sec. 5 Twp. 1 Agency Establish Agency Recovered	ON Ran. 10W , 2 ed by: U.S. (	and P.M. Use Coast and Geo	y: Vigo SGS 7.5' Quad:	Hutton Date:	Prairieton
ELEVATION DATA (Elevation: 4 ELEVATION DATA (Elevation: 4	58.162 Feet.	139.64			
POSITION DATA (N Geodetic Position INDIANA STATE State Plane Coord	n: f= PLANE COORDINATE	ES IN U.S. SU	·	meter = 39.37	' " inches exactly)
AZIMUTH DATA:  Mark Name	Geodetic Azi	"	Grid Azimuth	Grid	Distance (feet)
DES	CRIPTION OF MONU	JMENT, ROUTE	ro station, and	D REFERENCE MA	ARKS

The station is located approximately 1.9 miles northwest of Hutton; approximately 1.7 miles southwest along 83 West Road (Robertson Road) from its intersection with 51 South Road (Arbuckle Road) to the station on the northwest side of the road; set in the top of a concrete post, 0.2 foot above the ground; a U.S. Coast and Geodetic Survey bench mark tablet,

stamped "P 293 1956."

P 293: 156.9 feet northeast of and across the road from a utility pole

155.8 feet northeast of and across the road from a telephone riser box.

150.3 feet east of a utility brace pole

23.6 feet north-northwest of the centerline of the road

1.0 foot south of an orange USC & GS witness post

## PRIMARY SURVEY CONTROL DATA

PROJECT DATA Project Name: G: Sec. 25 Twp. 1: Agency Establish Agency Recovered	1N Ran. : ed by:	10W , 2n U.S. Co	d P.M ast and	. USGS	Vigo 7.5' Q	uad:	Civil Pime	ento	1947	
ELEVATION DATA () Elevation: ELEVATION DATA () Elevation:	N.A.V.D.	Feet. 1988):		148	Meters					
POSITION DATA (N Geodetic Position INDIANA STATE : State Plane Coord	n: f:	= RDINATES	IN U.		Y FEET	(one i	meter =	39.37	inches exa	" actly)
AZIMUTH DATA: Mark Name	0	tic Azim	"		d Azim	"		Grid I	Distance (f	eet)
DES	CRIPTION (	OF MONUM	ENT, RO	OUTE TO	STATION	, AND	REFERE	ENCE MAF	RKS	

The station is located at Prairieton; at the Prairieton United Methodist Church, in the gravel parking lot of the church; set in the top of a concrete post, about 10 inches below the surface of the parking lot; a U.S. Coast and Geodetic Survey horizontal control station tablet, stamped "DRAKE 1947."

DRAKE:

- 77.7 feet west of the northwest corner of the church
- 60.5 feet northwest of a light pole
- 45.7 feet southwest of USGS BM TT 19D
- 43.0 feet south of a P. K. rail set in the centerline of 47 West Road
- 39.9 feet northwest of the northwest corner of the steps leading to the church (on the West side of the church)
- 37.9 feet southeast of a P. K. nail set in P/P #307-002

### PRIMARY SURVEY CONTROL DATA

Sec. 33 Twp. 13	Station Code and No. VIGO 12 eenfield Bayou County: Vigo Civil Twp: Prairieton N Ran. 10W , 2nd P.M. USGS 7.5' Quad: Hutton d by: DNR/Water Date: 1993 by: Date:
Elevation: ELEVATION DATA (I	.G.V.D. 1929): Second Order Class II (DNR) Feet. Meters (A.V.D. 1988): Second Order Class II (DNR) 5.469 Feet. 141.8751 Meters
Geodetic Position INDIANA STATE	A.D. 1983/86): Second Order Class II DNR : f= ' " l= o ' " LANE COORDINATES IN U.S. SURVEY FEET (one meter = 39.37 inches exactly) inates: W Zone, Easting: 2,830,317.0605 Northing: 1,494,403.8354
AZIMUTH DATA: Mark Name	Geodetic Azimuth   Grid Azimuth   Grid Distance (feet)
DESC	RIPTION OF MONUMENT, ROUTE TO STATION, AND REFERENCE MARKS

The station is located approximately 2.6 miles northeast of Hutton; near the Blue Hole, at the intersection of 51 South Road (Arbuckle Road) and 83 West Road (Robertson Road) and 85 West Road (Rigney Road); set in the top of a concrete post, inside a 2 ft. x 2 ft. concrete pad, slightly below the level of the ground; a Department of Natural Resources brass control station tablet stamped "VIGO 12 1993"

- VIGO 12: 86.9 feet west of the centerline of 85 West Road
  - 19.6 feet northwest of a utility pole
  - 19.3 feet south of the centerline of 83 West Road
  - 10.7 feet east of the extended centerline of 51 South Road
  - 6.4 feet east of a metal stop sign post
  - 3.2 feet northeast of an orange D.N.R. witness post

## PRIMARY SURVEY CONTROL DATA

Sec. 9 Twp. 10	reenfield Bayou ON Ran. 10W , 2nd ed by: DNR/Water by:	P.M. USGS	Vigo	Hutton	Prairie Creek 1993
Elevation: ELEVATION DATA (I	N.G.V.D. 1929): Se Feet. N.A.V.D. 1988): Se 471.108 Feet.	econd Order C	Meters Class II (DNR)		
			Y FEET (one m		inches exactly)
AZIMUTH DATA: Mark Name	Geodetic Azimut o ' ' o ' '	1	id Azimuth o ' " o ' "	Grid	Distance (feet)
DESC	CRIPTION OF MONUMEN	NT, ROUTE TO	STATION, AND	REFERENCE MA	RKS

The station is located approximately 0.25 mile northeast of Hutton; at the 85 West Road bridge over an unnamed tributary to Greenfield Bayou; set in the top of the northwest concrete wingwall of the bridge; a Department of Natural Resources brass control station

tablet stamped "VIGO 17 1993"

VIGO 17:

- 8.9 feet west of the centerline of 85 West Road
- 1.3 feet northwest of the northwest corner of the north end of the west concrete guardrail
- 0.6 foot above the level of the road
- 0.55 foot northeast of the southwest face of the northwest wingwall of the bridge
- 0.45 foot southwest of the northeast face of the northwest wingwall of the bridge

## PRIMARY SURVEY CONTROL DATA

PROJECT DATA Project Name: Gr Sec. 19 Twp. 10 Agency Establishe Agency Recovered	ON Ran. 10W , 2med by: DNR/Wa	nd P.M. US	: Vigo	Hutton	Prairie Creek 1993
ELEVATION DATA (I Elevation: ELEVATION DATA (I Elevation:	Feet. N.A.V.D. 1988):	Second Order	Meters Class II (DNF	,	
POSITION DATA (N Geodetic Position INDIANA STATE N State Plane Coord	n: f= PLANE COORDINATE:	S IN U.S. SUR		meter = 39.37	inches exactly)
AZIMUTH DATA:					
Mark Name	Geodetic Azi	muth	Grid Azimuth	Grid	Distance (feet)
	0 '	"	0 ' "		
	0 '	ļ.	0 ' "		
	0 '	"	0 ' "		
DESC	CRIPTION OF MONUI	MENT, ROUTE T	O STATION, ANI	REFERENCE MA	RKS

The station is located approximately 1.3 miles south of the Big Knoll; at the 67 West Road Bridge over Negro Ditch; set in the top of the northeast wooden bridge abutment, about level with the asphalt bridge deck; a dome headed bolt, stamped "Vigo 18 1993."

Vigo 18: 13.2 feet north of the centerline of 67 West Road

- 2.5 feet south of the north end of the bridge abutment
- 0.5 foot east of the west edge of the bridge abutment
- 0.5 foot west of the east edge of the bridge abutment

### PRIMARY SURVEY CONTROL DATA

Sec. 24 Twp. 10	reenfield Bayou ON Ran. 11W , 2nd ed by: DNR/Wate by:	P.M. USGS 7	igo Civi		Creek
Elevation: ELEVATION DATA (I	N.G.V.D. 1929): S Feet. N.A.V.D. 1988): S 443.965 Feet.	M econd Order Cla	eters ss II (DNR)		
Geodetic Position INDIANA STATE	.A.D. 1983/86): S n: f= PLANE COORDINATES dinates: W Zone	' IN U.S. SURVEY	" l= FEET (one meter		
AZIMUTH DATA:  Mark Name	Geodetic Azimu   o '   o '   o '	" 0	Azimuth	Grid Distance	e (feet)
DESC	CRIPTION OF MONUME	NT, ROUTE TO ST	ATION, AND REF	ERENCE MARKS	

The station is located approximately 2.1 miles southwest of the Big Knoll; 0.5 mile east along 67 West Road from its intersection with 75 South Road to a T-Road South leading to Muskrat Pond; in the North Quadrant of the intersection, on the extended centerline of Muskrat Pond Road; set in the top of a concrete post, inside a 2 ft. x 2 ft. concrete pad, about 2 feet below the level of the road; a Department of Natural Resources brass control station tablet stamped "VIGO 19 1993."

- VIGO 19: 120 feet northwest of and across 67 West Road from a twin trunk 8 inch cottonwood tree
  - 18.5 feet northwest of the centerline of 67 West Road
  - 12.5 feet south of the south edge of a ditch
  - 3.7 feet south of an orange D.N.R. witness post
  - 3.5 feet south of a metal fence post

### PRIMARY SURVEY CONTROL DATA

Sec. 32 Twp. 1	Station Code and No. VIGO 26 reenfield Bayou County: Vigo Civil Twp: Prairie Creek ON Ran. 10W , 2nd P.M. USGS 7.5' Quad: Hutton ed by: DNR/Water Date: 1993 by: Date:
Elevation: ELEVATION DATA (I	N.G.V.D. 1929): Second Order Class II (DNR) Feet. Meters N.A.V.D. 1988): Second Order Class II (DNR) 192.885 Feet. 150.2317 Meters
Geodetic Position INDIANA STATE	A.D. 1983/86): Second Order Class II DNR  i: f= ' " l= o ' "  PLANE COORDINATES IN U.S. SURVEY FEET (one meter = 39.37 inches exactly)  dinates: W Zone, Easting: 2,823,836.4437 Northing: 1,463,923.5012
AZIMUTH DATA: Mark Name	Geodetic Azimuth
DESC	CRIPTION OF MONUMENT, ROUTE TO STATION, AND REFERENCE MARKS

The station is located approximately 3.5 miles south of Hutton; at the intersection of 85 West Road and 77 West Road, in the northeast quadrant of the intersection; set in the top of a concrete post, inside a 2 ft. x 2 ft. concrete pad, about level with the ground, about 1.5 feet below the level of the road; a Department of Natural Resources brass control station tablet stamped "Vigo 26 1993."

VIGO 26: 47.5 feet northeast of and across 77 West Road from a telephone riser box

- 42.8 feet east of the centerline of 85 West Road
- 21.0 feet east-southeast of a wooden fence corner post
- 19.0 feet north of the centerline of 77 West Road
- 16.7 feet east of a metal stop sign post
- 2.3 feet south of a fence line
- 2.2 feet south of an orange D.N.R. witness post

## PRIMARY SURVEY CONTROL DATA

Sec. 32 Twp. 10	Station Code and No. VIGO 27 Teenfield Bayou County: Vigo Civil Twp: Prairie Creek ON Ran. 10W , 2nd P.M. USGS 7.5' Quad: Hutton Ted by: DNR/Water Date: 1993 by: Date:
Elevation: ELEVATION DATA (I	N.G.V.D. 1929): Second Order Class II (DNR) Feet. Meters J.A.V.D. 1988): Second Order Class II (DNR) 79.630 Feet. 146.1917 Meters
INDIANA STATE	A.D. 1983/86):  n: f= ' " l= o ' "  PLANE COORDINATES IN U.S. SURVEY FEET (one meter = 39.37 inches exactly)  dinates: Zone, Easting: Northing:
AZIMUTH DATA:  Mark Name	Geodetic Azimuth   Grid Azimuth   Grid Distance (feet)  o ' "
DESC	CRIPTION OF MONUMENT, ROUTE TO STATION, AND REFERENCE MARKS

The station is located approximately 3.0 miles south of Hutton; at the 85 West Road Bridge over an unnamed tributary to Prairie Creek; set in the top of the southeast wingwall of the bridge; a Department of Natural Resources brass control station tablet, stamped "VIGO 27 1993."

- VIGO 27: 34.0 feet south of the centerline of 73 West Road
  - 27.2 feet north of the extended centerline of a farm lane to the west
  - 12.5 feet east of the centerline of 85 West Road
  - 2.5 feet below the top of the south end of the east concrete guardrail
  - 0.4 feet east of the base of the south end of the east concrete guardrail

## PRIMARY SURVEY CONTROL DATA

PROJECT DATA Project Name: Gr Sec. 29 Twp. 10 Agency Establishe Agency Recovered	ON Ran. 10W , 2: ed by: DNR/Wa	nd P.M. USG	Vigo	Hutton	Prairie Creek : 1993
ELEVATION DATA (I Elevation: ELEVATION DATA (I Elevation: 4	Feet. N.A.V.D. 1988):	Second Order	Meters Class II (DNR	,	
POSITION DATA (N Geodetic Position INDIANA STATE I State Plane Coord	n: f= PLANE COORDINATE		EY FEET (one	meter = 39.3	7 inches exactly)
AZIMUTH DATA:					
Mark Name	Geodetic Azi	muth   G	rid Azimuth	Grid	Distance (feet)
	0 '	"	0 ' "		
	0 '	ļ.	0 ' "		
	0 '	"	0 ' "	1	
DES(	CRIPTION OF MONU	MENT, ROUTE TC	STATION, AND	REFERENCE MA	ARKS

The station is located approximately 2.25 miles south of Hutton; at the 85 West Road Bridge over Prairie Creek; set in the top of the northwest bridge seat; a Department of Natural Resources brass control station tablet stamped "VIGO 28 1993."

VIGO 28: 11.

- 11.8 feet east of the centerline of 85 West Road
- 2.7 feet below the bottom edge of the aluminum guardrail
- 1.5 feet below the level of the road
- 0.85 foot north of the south edge of the bridge seat 0.6 foot east of the west end of the bridge seat

### PRIMARY SURVEY CONTROL DATA

PROJECT DATA Project Name: Gr Sec. 24 Twp. 10 Agency Establishe Agency Recovered	ON Ran. 11W , ed by: DNR/Wa	P.M. U	y: Vigo	C	Hutton	Prairie (	Creek
ELEVATION DATA (NELEVATION DATA (NELEVATION DATA (NELEVATION: 44	Feet. N.A.V.D. 1988):	Second Orde	Meter er Class I	s I (DNR)			
POSITION DATA (N. Geodetic Position INDIANA STATE I State Plane Coord	n: f= PLANE COORDINATE	' S IN U.S. SU	" JRVEY FEET	(one me			
AZIMUTH DATA:  Mark Name  Bayou 3 AZI	Geodetic Azi	"	Grid Azi	"	Grid	Distance	(feet)
DESC	CRIPTION OF MONU	MENT, ROUTE	TO STATIO	N, AND R	 EFERENCE MA	ARKS	

The station is located approximately 2.3 miles southwest of the Big Knoll; at the intersection of 75 South Road and 57 West Road, in the northeast quadrant of the intersection, set in the top of a concrete post, inside a 2 ft. x 2 ft. concrete pad, about level with the ground; a Department of Natural Resources brass control station tablet stamped "VIGO 31 1993."

- VIGO 31: 46.5 feet east of and across 75 South Road from a 5/8" rebar and aluminum cap
  - 35.4 feet east of the centerline of 75 South Road
  - 29.2 feet north of and across 57 West Road from a 5/8" rebar and aluminum cap
  - 13.8 feet north of the centerline of 57 West Road
  - 4.1 feet west of an orange D.N.R. witness post
  - 4.0 feet west of a metal fence post
  - 3.5 feet east of a metal T fence post

## PRIMARY SURVEY CONTROL DATA

Sec. 6 Twp. 1	Station Code and No. VIGO 13 reenfield Bayou County: Vigo Civil Twp: Prairieton ON Ran. 10W , 2nd P.M. USGS 7.5' Quad: Hutton ed by: DNR/Water Date: 1993 by: Date:
Elevation: ELEVATION DATA (I	N.G.V.D. 1929): Second Order Class II (DNR) Feet. Meters J.A.V.D. 1988): Second Order Class II (DNR) 150.328 Feet. 137.2603 Meters
INDIANA STATE	A.D. 1983/86):  i: f= ' " l= o ' "  PLANE COORDINATES IN U.S. SURVEY FEET (one meter = 39.37 inches exactly)  dinates: Zone, Easting: Northing:
AZIMUTH DATA: Mark Name	Geodetic Azimuth   Grid Azimuth   Grid Distance (feet)  o ' "
DES	CRIPTION OF MONUMENT, ROUTE TO STATION, AND REFERENCE MARKS

The station is located approximately 1.8 miles northwest of Hutton; approximately 2.65 generally southwest along 83 West Road (Robertson Road) to a private drive which extends northwest over a levee; set in the top of a concrete post, inside a 2 ft.  $\times$  2 ft. concrete pad, about level with the ground; a Department of Natural Resources brass control station tablet, stamped "VIGO 13 1993."

VIGO 13: 47.0 feet south of a multi trunk maple tree

- 40.2 feet west of the centerline of the private drive
- 31.6 feet northeast of a utility pole #FW-T 45
- 26.3 feet north of the centerline of 83 West Road (Robertson Road)
- 2.0 feet south of an orange D.N.R. witness post
- 1.3 feet south-southeast of a metal  ${\tt T}$  fence post
- 0.9 feet below the level of the road (83 West Road)

## PRIMARY SURVEY CONTROL DATA

Sec. 18 Twp. 1	ON Ran. 11W , 2nd P.M ed by: DNR/Water	Station Code County: Vigo Civ . USGS 7.5' Quad:			
Elevation: ELEVATION DATA (I	N.G.V.D. 1929): Second Feet. N.A.V.D. 1988): Second 453.867 Feet. 1	Meters Order Class II (DNR)			
POSITION DATA (N.A.D. 1983/86): Second Order Class II DNR  Geodetic Position: f= ' " 1= o ' "  INDIANA STATE PLANE COORDINATES IN U.S. SURVEY FEET (one meter = 39.37 inches exactly)  State Plane Coordinates: W Zone, Easting: 2,816,998.5791 Northing: 1,482,377.1306					
AZIMUTH DATA:  Mark Name	Geodetic Azimuth O ' " O ' " O ' "	Grid Azimuth	Grid Distance (feet)		
DESCRIPTION OF MONUMENT, ROUTE TO STATION, AND REFERENCE MARKS					

The station is located at the Big Knoll; at the intersection of 69 South Road and 57 West Road, in the southwest quadrant of the intersection; set in the top of a concrete post, inside a 2 ft.  $\times$  2 ft. concrete pad, about level with the ground, and about 3 feet above the level of 57 West Road; a Department of Natural Resources brass control station tablet, stamped "VIGO 15 1993".

VIGO 15: 528 feet north of residence #12405

- 45 feet south of the extended centerline of 57 West Road
- 7 feet west of the extended centerline of 57 West Road
- 4.0 feet east of an orange DNR witness post
- 3.4 feet east of a metal T fence post

## PRIMARY SURVEY CONTROL DATA

Sec. 20 Twp. 10	Station Code and No. VIGO 16 reenfield Bayou County: Vigo Civil Twp: Prairie Creek N Ran. 10W , 2nd P.M. USGS 7.5' Quad: Hutton red by: DNR/Water Date: 1993 by: Date:				
Elevation: ELEVATION DATA (I	I.G.V.D. 1929): Second Order Class II (DNR) Feet. Meters I.A.V.D. 1988): Second Order Class II (DNR) 8.532 Feet. 142.8090 Meters				
POSITION DATA (N.A.D. 1983/86):  Geodetic Position: f= ' " l= o ' "  INDIANA STATE PLANE COORDINATES IN U.S. SURVEY FEET (one meter = 39.37 inches exactly)  State Plane Coordinates: Zone, Easting: Northing:					
AZIMUTH DATA:  Mark Name	Geodetic Azimuth   Grid Azimuth   Grid Distance (feet)    O				
DESC	RIPTION OF MONUMENT, ROUTE TO STATION, AND REFERENCE MARKS				

The station is located approximately 1.0 mile south of Hutton; at the intersection of 85 West Road (Drake Road) and 91 West Road (Worley Road); set in the top of a concrete post, inside a 2 ft. x 2 ft. concrete pad, on the extended centerline of 91 West Road (Worley Road), about level with the ground; a Department of Natural Resources brass control station tablet, stamped "VIGO 16 1993."

- VIGO 16: 54.2 feet southwest of and across 85 West Road from the southwest corner of a metal transformer box with double doors
  - 48.5 feet northwest of and across 85 West Road from a metal telephone riser box
  - 14.0 feet west of the centerline of 85 West Road
  - 2.6 feet east of a north-south split rail fence line
  - 2.4 feet east of an orange D.N.R. witness post

## PRIMARY SURVEY CONTROL DATA

PROJECT DATA Project Name: G Sec. 26 Twp. 1 Agency Establish Agency Recovered	1W Ran. 10N , 2 ed by: DNR/Wa	nd P.M. USGS	Vigo (	Hutton	Prairie Creek 1993
ELEVATION DATA (Elevation: ELEVATION DATA (Elevation: 4	Feet. N.A.V.D. 1988):	Second Order C	Meters lass II (DNR)		
POSITION DATA (N.A.D. 1983/86):  Geodetic Position: f= ' " l= o ' "  INDIANA STATE PLANE COORDINATES IN U.S. SURVEY FEET (one meter = 39.37 inches exactly)  State Plane Coordinates: Zone, Easting: Northing:					
AZIMUTH DATA: Mark Name	Geodetic Azi	11	id Azimuth o ' " o ' "	Grid	Distance (feet)
DES	CRIPTION OF MONU	MENT, ROUTE TO	STATION, AND F	REFERENCE MA	RKS

The station is located approximately 0.8 mile southeast of Darwin, Illinois; 0.2 mile south along 75 South Road from its intersection with Darwin Ferry Road to the 75 South Road culvert over Oxendine Bayou; set in the top of the north end of the concrete headwall of a flood control gate on the west end of the culvert, about 10 feet below the level of the road; a Department of Natural Resources brass control station tablet, stamped "VIGO 20 1993".

- VIGO 20: 28.6 feet west of the centerline of 75 South Road
  - 6.9 feet north of the south end of the concrete headwall
  - 6.6 feet northwest of the west most metal step of the steps leading from the road to the culvert
  - 2.6 feet south of the north end of the concrete headwall feet north of the metal worm gear of the flood control gate

## PRIMARY SURVEY CONTROL DATA

Sec. 35 Twp. 1	reenfield Bayou County: Vigo ON Ran. 11W , 2nd P.M. USGS 7.5' ( ed by: DNR/Water				
Elevation: ELEVATION DATA (I	N.G.V.D. 1929): Second Order Class II Feet. Meters N.A.V.D. 1988): Second Order Class II 455.322 Feet. 138.7825 Meters	G (DNR)			
POSITION DATA (N.A.D. 1983/86): Second Order Class II DNR  Geodetic Position: f= ' " 1= o ' "  INDIANA STATE PLANE COORDINATES IN U.S. SURVEY FEET (one meter = 39.37 inches exactly)  State Plane Coordinates: W Zone, Easting: 2,806,544.7237 Northing: 1,465,552.9839					
AZIMUTH DATA:  Mark Name  Bayou 3 AZI	Geodetic Azimuth   Grid Azim	25 " 4436.6418			
DESCRIPTION OF MONUMENT, ROUTE TO STATION, AND REFERENCE MARKS					

The station is located approximately 1.1 miles southeast of Darwin, Illinois; 0.7 mile north along 75 South Road from its intersection with the Sullivan-Vigo County Line Road to a levee and the station on the west side of the road; set in the top of a concrete post, inside a 2 ft. x 2 ft. concrete pad, on the extended centerline of 75 South Road from the south, on the centerline of the levee; a Department of Natural Resources brass control station tablet, stamped "VIGO 21 1993".

VIGO 21: 21.0 feet west of the centerline of 75 South Road

- 5.5 feet west of the east edge of the top of the levee
- 5.0 feet east of the west edge of the top of the levee
- 4.5 feet above the level of the road
- 3.0 feet east of an orange D.N.R. witness post

### PRIMARY SURVEY CONTROL DATA

Sec. 35 Twp. 1	ON Ran. 11W , 2nd ed by: DNR/Water	County: Vig	go Civil	nd No. VIGO 22 Twp: Prairie Creek ton Date: 1993 Date:	
Elevation: ELEVATION DATA (I	N.G.V.D. 1929): Se Feet. N.A.V.D. 1988): Se 48.213 Feet.	Met econd Order Class	ters s II (DNR)		
POSITION DATA (N.A.D. 1983/86): Second Order Class II DNR  Geodetic Position: f= ' " l= o ' "  INDIANA STATE PLANE COORDINATES IN U.S. SURVEY FEET (one meter = 39.37 inches exactly)  State Plane Coordinates: W Zone, Easting: 2,806,671.5872 Northing: 1,461,311.7770					
AZIMUTH DATA:  Mark Name   Geodetic Azimuth   Grid Azimuth   Grid Distance (feet)  Bayou 3 AZI   O ' "   16 o 07 ' 15"   8,254.9873  O ' "   O ' "					
DESCRIPTION OF MONUMENT, ROUTE TO STATION, AND REFERENCE MARKS					

The station is located approximately 1.8 miles southeast of Darwin, Illinois; near the intersection of 75 West Road and the Sullivan-Vigo County Line Road; set in the top of a concrete post, inside a 2 ft. x 2 ft. concrete pad, about 0.2 foot below the level of the ground, and about 4 feet above the level of the road; a Department of Natural Resources brass control station tablet, stamped "VIGO 22 1993"

VIGO 22: +/- 260.0 feet east of the extended centerline of 75 West Road

37.5 feet south of the centerline of County Line Road

27.4 feet north of a PK nail set in a 10 foot Hedge Apple tree

19.7 feet southwest of a PK nail set in a 10 inch locust tree

3.0 feet west of an orange DNR witness post

## PRIMARY SURVEY CONTROL DATA

Sec. 5 Twp. 91	Station Code and No. VIGO 25 reenfield Bayou County: Vigo Civil Twp: Prairie Creek I Ran. 10W , 2nd P.M. USGS 7.5' Quad: Hutton red by: DNR/Water Date: 1993 by: Date:				
Elevation: ELEVATION DATA (I	I.G.V.D. 1929): Second Order Class II (DNR) Feet. Meters I.A.V.D. 1988): Second Order Class II (DNR) 22.536 Feet. 147.0773 Meters				
POSITION DATA (N.A.D. 1983/86):  Geodetic Position: f= ' " l= o ' "  INDIANA STATE PLANE COORDINATES IN U.S. SURVEY FEET (one meter = 39.37 inches exactly)  State Plane Coordinates: Zone, Easting: Northing:					
AZIMUTH DATA:  Mark Name	Geodetic Azimuth   Grid Azimuth   Grid Distance (feet)  o ' "				
DESC	RIPTION OF MONUMENT, ROUTE TO STATION, AND REFERENCE MARKS				

The station is located approximately 4 miles southwest of Hutton; at the intersection of the Sullivan-Vigo County Line Road and 750 West Road, at the 750 West Road concrete slab bridge over an unnamed tributary to Prairie Creek; set in the top of the northwest corner of the bridge deck; a Department of Natural Resources brass control station tablet, stamped "VIGO 25 1993"

VIGO 25: 103.7 feet southeast of and across County Line Road from utility pole #132

- 98.7 feet southwest of and across County Line Road from utility pole #131
- 29.8 feet south of the centerline of County Line Road
- 17.5 feet northeast of a concrete fence corner post
- 9.8 feet west of the centerline of 750 West Road

### PRIMARY SURVEY CONTROL DATA

PROJECT DATA Project Name: Gr Sec. 36 Twp. 10 Agency Establishe Agency Recovered	ON Ran. 11W , 2r ed by: DNR/Wat	d P.M. USG	Vigo	Hutton	Prairie Creek 1993
ELEVATION DATA (I Elevation: ELEVATION DATA (I Elevation: 4	Feet. N.A.V.D. 1988):	Second Order	Meters Class II (DNF	,	
POSITION DATA (N.A.D. 1983/86): Second Order Class II DNR  Geodetic Position: f= ' " 1= o ' "  INDIANA STATE PLANE COORDINATES IN U.S. SURVEY FEET (one meter = 39.37 inches exactly)  State Plane Coordinates: W Zone, Easting: 2,812,334.2650 Northing: 1,461,448.8270					
AZIMUTH DATA: Mark Name	Geodetic Azim   o '   o '   o '	11	rid Azimuth o ' " o ' "	Grid	Distance (feet)
DESCRIPTION OF MONUMENT, ROUTE TO STATION, AND REFERENCE MARKS					

The station is located approximately 2.5 miles southeast of Darwin, Illinois; approximately 1.1 miles generally east along the Sullivan-Vigo County Line Road from its intersection with 75 South Road, on the east side of Round Pond, on the south side of County Line Road; set in the top of a concrete post, inside a 2 ft.  $\times$  2 ft. concrete pad, 0.3 foot below the ground; a Dept. of Natural Resources brass control station tablet, stamped "VIGO 29 1993"

- VIGO 29: 42.6 feet north of the top of bank (of Round Pond)
  - 40.7 feet northeast of a PK nail set in the side of a twin trunk maple tree 6 feet above ground)
  - 32.8 feet northwest of a PK nail set in the side of a 12 inch maple tree (feet above the ground)
  - 13.0 feet south of the centerline of County Line Road
  - 2.9 feet north of an orange D.N.R. witness post

## PRIMARY SURVEY CONTROL DATA

PROJECT DATA Project Name: G: Sec. 31 Twp. 1 Agency Establish Agency Recovered	ON Ran. 10W , 2 ed by: DNR/Wa	and P.M. US	y: Vigo	Hutton	Prairie Creek e: 1993
ELEVATION DATA (1) Elevation: ELEVATION DATA (1) Elevation: 4	Feet. N.A.V.D. 1988):	Second Order	Meters Class II (DN	•	
POSITION DATA (N.A.D. 1983/86):  Geodetic Position: f= ' " l= o ' "  INDIANA STATE PLANE COORDINATES IN U.S. SURVEY FEET (one meter = 39.37 inches exactly)  State Plane Coordinates: Zone, Easting: Northing:					
AZIMUTH DATA: Mark Name	Geodetic Azi	"	Grid Azimuth o ' " o ' "		d Distance (feet)
DES	CRIPTION OF MONU	MENT, ROUTE T	O STATION, AN	D REFERENCE N	/ARKS

The station is located approximately 4.3 miles southwest of Hutton; at the Sullivan-Vigo County Line Road Bridge over Prairie Creek; set in the west end of the north concrete guardrail of the bridge; a Department of Natural Resources stainless steel pin, set vertically in the concrete guardrail, with an aluminum tag, stamped "DNR TBM VIGO 30 1993."

VIGO 30: 9.2 feet north of the centerline of County Line Road

- 2.7 feet below the top of the concrete guardrail of the bridge
- 2.7 feet above the ground

### VIGO COUNTY

### NGS BM C 293 RESET 1991

In Vigo County, Terre Haute Quadrangle, in the NW ¼ of Sec. 28, T. 12 N., R. 9 W., 2 P.M. at the City of Terre Haute, about 0.3 mile southwest of the courthouse to the intersection of Oak Street and South 1st Street, located in the Southwest Quadrant of the intersection at Fairbanks Park, 49.1' south of Oak Street centerline, 26.2' west of South 1st Street centerline(south bound lane), 5.0' southeast of Fairbanks Park wood sign, level with ground, an NGS BM control station tablet, set in the top of a concrete post stamped "C293 RESET 1991". 499.466 feet NGVD 1929 2<sup>nd</sup> Order

### IDNR TBM TERRE HAUTE 1 1991

In Vigo County, Terre Haute Quadrangle, in the NW ¼ of Section 28, T. 12 N., R. 9 W., 2 P.M. at the City of Terre Haute about 0.3 mile southwest of the courthouse to the intersection of Oak Street and South 1st Street. Located in the southeast Quadrant of the intersection 16.5' feet east of south 1st street centerline 49.0' feet south of Oak Street centerline 1.2' above ground, set in the west side of utility pole #841 1525 a rail-road spike thru aluminum tag stamped "IDNR TBM Terre Haute #1, 1991". 500.400 feet NGVD 1929 2<sup>nd</sup> Order

#### IDNR TBM TERRE HAUTE 2 1991

In Vigo County, Terre Haute Quadrangle, in the NW ¼ of Section 28, T. 12 N., R. 9 W., 2 P.M. at the City of HAUTE Terre Haute, about 0.3 mile southwest of the courthouse to the intersection of Oak Street and South 1st Street. Located in the northeast Quadrant of the intersection 16.1' feet east of south 1st Street centerline 133.5' feet north of Oak Street centerline 1.2' feet above ground, set in the west side of utility pole #841 1526, a railroad spike thru aluminum tag stamped "IDNR TBM Terre Haute #2, 1991". 500.605 feet NGVD 1929 2<sup>nd</sup> Order

### NGS BM N 360 1998

In Vigo County, New Goshen Quad, Sec. 5, T.13N., R.9W., approximately 4,244 feet south along State Road 63, from the south end of the bridge over Brouilletts Creek, approximately 2,112 feet north along State Road 63, from the east-west crossroads leading to Shepardsville, 61.5 feet west from the centerline of State Road 63, 1.6 feet east from a N. S. fence line, 1.4 feet east from a witness post, the top of a aluminum rod, inside of a plastic pipe, with a iron cap cover, stamped NGS survey point marker assess cover "N-360 1986."

352.034 feet NGVD 1929 2<sup>nd</sup> Order

### DNR BM VIG 11 1987

In Vigo County, New Goshen Quad, Sec. 4, T.13., R.9W., about 0.5 mile northeast of Shepardsville, at a new concrete bridge over Brouilletts Creek, set in the top of the east concrete headwall of bridge, 16.2 feet southeast from the centerline of the bridge, 1.3 feet west-southwest from the east-northeast end of the east headwall of the bridge, an Indiana Department of Natural Resources bench mark tablet, stamped "VIG 11 1987."

488.099 feet NGVD 1929 2<sup>nd</sup> Order

### DNR BM VIG 1 1986

In Vigo County, New Goshen Quad, W ½ Sec. 28, T.13N., R.9W., on the P. S. I. Power Plant property, 500 feet south from north entrance to P. S. I. Power Plant, 9.0 feet east from the most eastern rail of tracks, 2.0 feet below the rails, about level with the ground set in the top at the southeast corner of a concrete drain catch basin, a Indiana Department of Natural Resources bench mark tablet stamped "VIG 1 1986."

484.098 feet NGVD 1929 2<sup>nd</sup> Order

### DNR BM VIG 2 1986

In Vigo County, New Goshen Quad, S. edge of Sec. 16, T.13N., R.9W, at Tecumseh, Indiana, 283 feet north from the centerline of a road west, 26.5 feet east from the centerline of north-south road, (26 W. Road) 4.0 feet below roadway, set in the top at the south end of the east concrete headwall of a 14 foot concrete headwall over a small tributary to Wabash River, 1.0 foot north from south end of headwall, a Indiana Department of Natural Resources bench mark tablet stamped "VIG 2 1986."

469.727 feet NGVD 1929 2<sup>nd</sup> Order

### DNR BM VIG 7 1986

In Vigo County, New Goshen Quad, Sec. 32, T.13N., R.9W., on North Bolton Road, 0.1 mile northeast from its junction with State Road 63, set in the top of a 11.0 foot concrete headwall, 30.7 feet northwest from the centerline of North Bolton Road, 5.2 feet southwest from the northeast end of headwall 1.4 feet above ground, a Department of Natural Resources bench mark tablet, stamped "VIG 7 1986."

593.269 feet NGVD 1929 2<sup>nd</sup> Order

## DNR TBM SHEP-VILLE 1987

In Vigo County, New Goshen Quad, at Shepardsville, Sec. 4, T.13N., R.9W., at the U.S. Post Office, set in the north side of power pole, 34.5 feet west from the centerline of road leading west, 1.2 feet above ground, a railroad spike driven thru an aluminum tag, stamped "SHEP-VILLE 1987."

504.763 feet NGVD 1929 2<sup>nd</sup> Order

### DNR BM VIG 10 1987

In Vigo County, New Goshen Quad, at Shepardsville, Sec. 4, T.13N., R.9W., at the U.S. Post Office, set vertically in the south face of building, 48.7 feet north from the centerline of road west, 31.6 feet west from the centerline of north-south road, 6.0 feet west from the southeast corner of building, 1.4 feet above ground, an Indiana Department of Natural Resources bench mark tablet, stamped "VIG 10 1987"

505.751 feet NGVD 1929 2<sup>nd</sup> Order

## DNR BM VIG 5 1986

In Vigo County, New Goshen Quad, at Terre Haute, NW ¼, Sec. 9, T.12N., R.9W., at the State Road 63 bridge over Wabash River, set in the top at the northwest end of the north bound bridge, on top of the southwest concrete curbing for bridge, 19.4 feet southwest from the centerline of the north bound bridge, 2.0 feet southeast from the northwest end of curbing for bridge, 0.9 feet above the highway, a Department of Natural Resources bench mark tablet, stamped "VIG 5 1986."

487.109 feet NGVD 1929 2<sup>nd</sup> Order

### ISHC BM VIGO C-48

In Vigo County, New Goshen Quad, at Terre Haute, NW ¼, Sec. 9, T.12N., R.9W., at the State Road 63 bridge over the Wabash River, set in the top at the northwest end of the south bound bridge, on top of northeast concrete headwall of bridge, 19.9 feet northeast from the centerline of the south bound bridge, 7.3 feet southeast from the northwest end of headwall of bridge, level with the highway, a ISHC bench mark tablet, stamped "VIGO C- 48." 486.129 feet NGVD 1929 2<sup>nd</sup> Order

## DNR BM VIG 6 1986

In Vigo County, Terre Haute Quad, at Terre Haute, Sec. 16, T.12N., R.9W., on the south side of the Woodlawn Cemetery, set in the top at the northeast corner of a 3 foot by 3 foot concrete base for flag pole, 32.7 feet south from the centerline of Second Avenue, 101.0 feet east-southeast from the northeast corner of a steel fence around a baseball field, 0.6 foot south from the north face of concrete base for flag pole, 0.6 foot above ground, a Department of Natural Resources bench mark tablet, stamped "VIG 6 1986."

499.304 feet NGVD 1929 2<sup>nd</sup> Order

### **DNR BM VIG 4 1986**

In Vigo County, Terre Haute Quad, at Terre Haute, Sec. 9, T.12N., R.9W., at the State Road 63 bridge over Wabash River, set in the top at the southeast end of the south bound bridge, on top of the northeast concrete headwall of bridge, 20.0 feet northeast from the centerline of the southbound bridge, 0.9 foot northwest from the southeast end of headwall, 29.5 feet west from Charles Gene Abrell Memorial Plaque, level with the highway, a Department of Natural Resources bench mark tablet, stamped "VIG 4 1986."

489.269 feet NGVD 1929 2<sup>nd</sup> Order

## ISHC BM (Not Stamped)

In Vigo County, Terre Haute Quad, at Terre Haute, NW ¼, Sec. 9, T.12N., R.9W., at the State Road 63 bridge over the Wabash River, set in the top at the southeast end of the north bound bridge, on top of the northeast concrete curbing of bridge, 17.5 feet northeast from the centerline of the northbound bridge, 6.0 feet west from the east end of curbing, 0.7 feet above the highway, an ISHC bench mark tablet, "NOT STAMPED."

490.294 feet NGVD 1929 2<sup>nd</sup> Order

## DNR BM VIG 3 1986

In Vigo County, Rosedale Quad, Sec. 1, T.13N., R.9W., at the US Highway 41 bridge over Spring Creek, set in the top of the northeast concrete wingwall of bridge, 28.5 feet east from the centerline of the highway, 0.9 foot north from south face of wingwall, level with the highway, a Department of Natural Resources bench mark tablet stamped "VIG 3 1986." 493.119 feet NGVD 1929 2<sup>nd</sup> Order

## ISHC BM C-14

In Vigo County, Rosedale Quad, Sec. 2, T.13N., R.9W., at the State Road 41 bridge over Spring Creek, set in the top at the south end of the west concrete headwall of bridge, 26.3 feet west from the centerline of highway, 0.7 foot north from the south end of headwall, 2.0 feet above the ground, an ISHC BM tablet, stamped "C-14." 494.190 feet NGVD 1929 2<sup>nd</sup> Order